

STATE OF NEVADA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR POLLUTION CONTROL

**Director's Review and Preliminary Determination of Permit Issuance
for
NV Energy – Reid Gardner Station Power Plant
May 11, 2012**

NV Energy (formerly Sierra Pacific Power Company) – Reid Gardner Station Power Plant (RGSP) is renewing/revising its Air Quality Operating Permit (AQOP) AP4911-0897 that was issued on April 22, 2004. On June 27, 2008, RGSP submitted an application to renew their Class I/Title V AQOP to the Nevada Bureau of Air Pollution Control (NDEP). The Class I air quality operating permit application defaulted administratively complete August 22, 2008. The RGSP facility is located at Reid Gardner Generating Station, Moapa, NV, Clark County, Hydrographic Basin 218 – California Wash, Section 5 of Township 15S, Range 66E Mount Diablo Base and Meridian (MDB&M), UTM Zone 11, 4,059.440 kmN, 711.620 kmE.

The proposed renewal permit action corrects several errors in the original permit, corrects the operating conditions for several systems to conform to their actual operation as batch processes, updates some emission factors, and redefines how some material handling systems are described in the permit in order to introduce more appropriate emission factors. The proposed revision permit action addresses some changes in equipment and emission controls undertaken in response to two Orders issued by the NDEP.

The NDEP has reviewed the application and has made a preliminary determination to issue the Class I Air Quality Operating Permit, AP4911-0897.

RGSP operates four coal-fired electric generating steam boilers and supporting equipment. The supporting equipment includes four cooling towers, coal handling systems, fly ash handling systems, soda ash and lime storage for water treatment operations, and several diesel generators for emergency use.

The emission estimates confirm that RGSP is a Major PSD Stationary source because emissions of criteria pollutants are greater than 100 tons per year (tpy).

Facility-Wide Potential to Emit		
Pollutant		TPY
PM	(Particulate Matter)	1,773
PM ₁₀	(Particulate matter <10 microns in diameter)	1,771
NO _x	(Oxides of Nitrogen)	13,345
CO	(Carbon monoxide)	66,576
VOC	(Volatile Organic Compounds)	9,987
SO ₂	(Sulfur Dioxide)	9,698
Total HAPs	(Hazardous Air Pollutants)	173
Single HAPs	(Hydrogen Chloride)	135

The air quality analyses demonstrate that the emissions from the processes will not cause or contribute to a violation of any applicable federal or state ambient air quality standard. After review of the application and independent NDEP air quality analysis, the agency has determined that the project will not cause an adverse impact on air quality and will not cause or contribute to an increment exceedance.

The proposed source must comply with all State and Federal air quality requirements and all conditions established within the proposed Class I Air Quality Operating Permit, AP4911-0897.